Project Title	Funding	Strategic Plan Objective	Institution
Identification of lipid biomarkers for autism	$0	Q1.L.A	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	$0	Q1.L.B	Massachusetts General Hospital
Visual system connectivity in a high-risk model of autism	$0	Q2.S.D	Children's Hospital Boston
Investigation of postnatal drug intervention's potential in rescuing the symptoms of fragile X syndrome in adult mice	$0	Q2.S.D	Massachusetts Institute of Technology
The effects of Npas4 and Sema4D on inhibitory synapse formation	$0	Q2.Other	Children's Hospital Boston
Imaging synaptic neurexin-neuroligin complexes by proximity biotinylation: Applications to the molecular pathogenesis of autism	$0	Q2.Other	Massachusetts Institute of Technology
BDNF secretion and neural precursor migration	$0	Q2.Other	Dana-Farber Cancer Institute
Cortical mechanisms underlying visual motion processing impairments in autism	$0	Q2.Other	Harvard Medical School/McLean Hospital
Architecture of myelinated axons linking frontal cortical areas	$0	Q2.Other	Boston University
Analysis of the small intestinal microbiome of children with autism	$0	Q3.S.I	Massachusetts General Hospital
Gene expression profiling of autism spectrum disorders	$0	Q3.L.B	Children's Hospital Boston
Investigation of genes involved in synaptic plasticity in Iranian families with ASD	$0	Q3.L.B	Massachusetts General Hospital
Comprehensive follow-up of novel autism genetic discoveries	$0	Q3.L.B	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Maternal dietary factors and risk of autism spectrum disorders	$0	Q3.L.C	Harvard Medical School
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Massachusetts General Hospital
Maternal risk factors for autism spectrum disorders in children of the Nurses' Health Study II	$0	Q3.L.C	Harvard University
Development of a high-content neuronal assay to screen therapeutics for the treatment of cognitive dysfunction in autism spectrum disorders	$0	Q4.S.B	Massachusetts Institute of Technology
A multi-site clinical randomized trial of the Hanen More Than Words Intervention	$0	Q4.S.D	University of Massachusetts Boston
Review of the literature on selenocysteine metabolism and selenoproteins in autism	$3,000	Q2.Other	Northeastern University School of Pharmacy
The effect of mercury and neuropeptide triggers on human mast cell release of neurotoxic molecules	$5,000	Q2.S.A	Tufts University
Does thimerosal elicit a hormetic response?	$6,275	Q3.S.E	Northeastern University

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Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	$20,000	Q1.L.B	New England Center for Children
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	$24,731	Q2.S.G	Children's Hospital Boston
Environmentally induced oxidative stress and altered local brain thyroid horomone metabolism: relevance to autism?	$25,000	Q2.S.A	Harvard Medical School; Brigham and Women's Hospital
Neurophysiological investigation of language acquisition in infants at risk for ASD	$28,000	Q1.L.A	Boston University
Influence of oxidative stress on transcription and alternative splicing of methionine synthase in autism	$28,000	Q2.S.A	Northeastern University
Grant to purchase tissue freezer and coil to allow for phophorous magnetic resonance spectroscopy	$30,445	Q7.Other	Treatment Research and Neuroscience Evaluation of Neurodevelopmental Disorders (TRANSCEND) Research Laboratory, Massachusetts General Hospital
Does mercury and neurotension induce mitochondrial DNA release from human mast cells and contribute to auto-immunity in ASD?	$40,000	Q2.S.A	Tufts University
The neural substrates of repetitive behaviors in autism	$42,111	Q2.Other	Boston University Medical Campus
Population genetics to improve homozygosity mapping and mapping in admixed groups	$45,590	Q3.L.B	Harvard Medical School
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$47,288	Q2.Other	College of the Holy Cross
The Autism Curriculum Encyclopedia® (ACE®)	$47,500	Q4.Other	New England Center for Children, Inc.
Characterization of autism susceptibility genes on chromosome 15q11-13	$47,606	Q4.S.B	Beth Israel Deaconess Medical Center
Neural substrate of language and social cognition: Autism and typical development	$50,474	Q2.Other	Massachusetts Institute of Technology
Autism: The neural substrates of language in siblings	$56,955	Q2.S.G	Boston University Medical Campus
Maternal risk factors for autism in the Nurses Health Study II – a pilot study	$57,919	Q3.L.C	Harvard School of Public Health
CPEA Data Coordinating Center (supplement)	$59,632	Q7.Other	DM-Stat, Inc.
Randomized phase 2 trial of RAD001 (an MTOR inhibitor) in patients with tuberous sclerosis complex	$65,000	Q4.L.A	Childrens Hospital Boston
Signatures of gene expression in autism spectrum disorders	$75,000	Q1.L.A	Children's Hospital Boston
Neuronal activity-dependent regulation of MeCP2 (supplement)	$77,123	Q2.S.D	Harvard Medical School
Novel methods for testing language comprehension in children with ASD	$82,537	Q1.S.B	Boston University
Role of TSC/mTOR signaling pathway in autism and autism spectrum disorders	$83,403	Q3.L.B	Massachusetts General Hospital

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Learning and compression in human working memory	$84,000	Q2.Other	Harvard University
CAREER: Typical and atypical development of brain regions for theory of mind	$89,214	Q2.Other	Massachusetts Institute of Technology
Racial/ethnic disparities in family burden & health care of children with autism	$98,962	Q5.S.A	Brandeis University
Does training in acting foster theory of mind, empathy, and emotion regulation?	$99,785	Q4.Other	Boston College
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	$112,327	Q2.S.E	Beth Israel Deaconess Medical Center
Dimensions of mind perception	$112,584	Q2.Other	Harvard University
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$125,000	Q2.Other	Massachusetts General Hospital
MEG investigation of the neural substrates underlying visual perception in autism	$126,317	Q2.Other	Massachusetts General Hospital
Role of Pam in synaptic morphology and function	$127,497	Q2.Other	Massachusetts General Hospital
Identifying gastrointestinal (GI) conditions in children with autism spectrum disorders (ASD)	$127,500	Q1.L.A	Harvard Medical School
Uncovering genetic mechanisms of ASD	$127,500	Q3.L.B	Children's Hospital Boston
The role of the neurexin 1 gene in susceptibility to autism	$127,500	Q3.L.B	Massachusetts General Hospital/Harvard Medical School
Quality of life for children with autism spectrum disorders and their parents	$127,500	Q5.Other	Massachusetts General Hospital
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	$128,445	Q4.S.B	Massachusetts Institute of Technology
MicroRNAs in synaptic plasticity and behaviors relevant to autism	$131,220	Q2.S.D	Massachusetts General Hospital
Quantitative analysis of craniofacial dysmorphology in autism	$137,861	Q1.S.A	University of Massachusetts Medical School
HSD: Collaborative research: Evolutionary, developmental, and neurobiological sources of moral judgments	$143,883	Q2.Other	Harvard University
Guiding visual attention to enhance discrimination learning	$146,861	Q4.Other	University of Massachusetts Medical School
Recessive genes for autism and mental retardation	$148,856	Q3.L.B	Beth Israel Deaconess Medical Center
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$149,965	Q1.L.B	Trustees of Boston University
Prosodic and pragmatic processes in highly verbal children with autism	$149,999	Q1.L.C	President & Fellows of Harvard College
The brain genomics superstruct project	$150,000	Q2.S.G	President & Fellows of Harvard College

Project Title	Funding	Strategic Plan Objective	Institution
Using Drosophila to model the synaptic function of the autism-linked NHE9	$150,000	Q4.S.B	Massachusetts Institute of Technology
Behavioral and sensory evaluation of auditory discrimination in autism	$151,692	Q2.Other	University of Massachusetts Medical School
Mental Health/Disabilities (MHDD) Research Education Program	$154,942	Q7.K	Children's Hospital Boston
Control of synaptic protein synthesis in the pathogenesis and therapy of autism	$155,063	Q4.S.B	Massachusetts General Hospital
Multimodal analyses of face processing in autism & down syndrome	$156,083	Q2.Other	University of Massachusetts Medical School
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	$161,094	Q2.S.D	Dana-Farber Cancer Institute
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$171,842	Q2.S.G	Massachusetts General Hospital
Activity-dependent phosphorylation of MeCP2	$173,979	Q2.S.D	Harvard Medical School
Dissecting the circuitry basis of autistic-like behaviors in mice	$175,000	Q4.S.B	Massachusetts Institute of Technology
HCC: Collaborative research: Social-emotional technologies for autism spectrum disorders	$175,362	Q4.S.F	Massachusetts Institute of Technology
Rodeo: A platform for discovery and analysis of protein network motifs	$177,496	Q7.O	Harvard University
Finding recessive genes for autism spectrum disorders	$186,825	Q3.L.B	Children's Hospital Boston
International Mental Health/Developmental Disabilities Research Training Program	$188,000	Q7.K	Children's Hospital Boston
Developmental Behavioral Pediatrics Training Program	$192,467	Q5.L.C	Children's Hospital Boston
Developmental Behavioral Pediatrics Training Program	$192,467	Q5.L.C	Boston Medical Center
Training school speech-language pathologists to assess and manage communication skills in children with autism	$199,183	Q5.Other	University of Massachusetts Amherst
Do animations facilitate symbol understanding in children with autism?	$199,996	Q4.S.G	Northeastern University
Neurobiology of mouse models for human chr 16p11.2 microdeletion and fragile X	$210,000	Q4.S.B	Massachusetts Institute of Technology
Communicative and emotional facial expression production in children with autism	$212,250	Q2.Other	University of Massachusetts Medical School
Relational stimulus control management in neurodevelopmental disabilities	$212,250	Q4.S.G	University of Massachusetts Medical School
Contingency manipulation in discrete trial interventions for children with autism	$212,250	Q4.Other	University of Massachusetts Medical School
Neural mechanisms for social cognition in autism spectrum disorders	$223,233	Q2.Other	Massachusetts Institute of Technology

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Comprehensive collection, charting, and communication system	$249,297	Q5.Other	Symtrend, Inc.
RNA expression studies in autism spectrum disorders	$250,000	Q1.L.A	Children's Hospital Boston
Transition to adult services for youth with autism spectrum disorder	$256,917	Q6.L.A	Massachusetts General Hospital
Stimulus overselectivity in visual discrimination: Analysis and remediation (supplement)	$265,928	Q4.Other	University of Massachusetts Medical School
Computer adaptive testing of adaptive behavior of children and youth with autism	$284,375	Q1.S.A	Boston University
Assessing a participant directed service system for low income children with ASD	$291,635	Q5.S.B	Brandeis University
Contingency analyses of observing and attending in intellectual disabilities	$298,293	Q4.S.G	University of Massachusetts Medical School
Use of a family navigator in families with children newly diagnosed with autism spectrum disorder	$299,906	Q5.S.A	Boston Medical Center
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	$300,000	Q1.L.B	Massachusetts Institute of Technology
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	$304,500	Q4.S.B	Beth Israel Deaconess Medical Center
Genes disrupted by balanced genomic rearrangements in autism spectrum disorders	$307,842	Q3.L.B	Massachusetts General Hospital
Perturbed activity-dependent plasticity mechanisms in autism	$311,292	Q2.Other	Harvard Medical School
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$320,250	Q2.Other	Brandeis University
Delayed motor learning in autism	$338,740	Q4.Other	Brandeis University
Regulation of synaptogenesis by cyclin-dependent kinase 5	$342,454	Q2.Other	Massachusetts Institute of Technology
The neural basis of sexually dimorphic brain function	$343,502	Q2.S.B	University of Massachusetts Amherst
Functional money skills readiness training: Teaching relative values	$370,740	Q5.Other	Praxis, Inc.
Neural and cognitive mechanisms of autism	$375,000	Q4.S.B	Massachusetts Institute of Technology
The microRNA pathway in translational regulation of neuronal development	$376,031	Q2.S.D	University of Massachusetts Medical School
Electrophysiological, metabolic and behavioral markers of infants at risk	$378,751	Q1.L.A	Children's Hospital Boston
Supporting the well-being of families of young children with autism spectrum disorders	$399,994	Q5.Other	Boston Medical Center
Using zebrafish and chemical screening to define function of autism genes	$399,999	Q4.S.B	Whitehead Institute for Biomedical Research

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Genome-wide analyses of DNA methylation in autism	$400,000	Q3.S.J	Massachusetts General Hospital
A recurrent genetic cause of autism	$400,000	Q3.L.B	Massachusetts General Hospital
Neuronal activity-dependent regulation of MeCP2	$437,522	Q2.S.D	Harvard Medical School
Simons Simplex Collection Site	$483,393	Q3.L.B	Children's Hospital Boston
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$491,909	Q2.S.G	Massachusetts General Hospital
The development of face processing	$512,804	Q2.Other	Children's Hospital Boston
Behavioral intervention in autism: Practitioner skills	$518,113	Q5.L.C	Praxis, Inc.
Probing disrupted cortico-thalamic interactions in autism spectrum disorders	$531,624	Q2.S.D	Children's Hospital Boston
Finding autism genes by genomic copy number analysis	$582,867	Q3.S.A	Children's Hospital Boston
Characterizing the genetic systems of autism through multi-disease analysis	$630,255	Q2.S.G	Harvard Medical School
Neurobehavioral research on infants at risk for SLI and autism	$691,847	Q1.L.A	Boston University Medical Campus
RNA expression patterns in autism	$706,052	Q3.L.B	Children's Hospital Boston
Leadership Education in Neurodevelopmental Disabilities	$755,326	Q5.L.C	Children's Hospital Boston
Olivocerebellar circuitry in autism	$756,917	Q2.Other	Boston University Medical Campus
Leadership Education in Neurodevelopmental Disabilities	$779,256	Q5.L.C	University of Massachusetts Medical School
Understanding the cognitive impact of early life epilepsy	$845,000	Q2.S.E	Children's Hospital Boston
Infrastructure support for autism research at MIT	$1,500,000	Q7.K	Massachusetts Institute of Technology
2/5-Elucidating the genetic architecture of autism by deep genomic sequencing	$1,723,105	Q3.S.A	Broad Institute
Human autism genetics and activity dependent gene activation	$2,639,516	Q3.S.A	Children's Hospital Boston
Autism Intervention Research Network on Physical Health (AIR-P network)	$3,651,425	Q4.S.A	Massachusetts General Hospital